

The National Science Foundation

Alliances for Graduate Education in the Professoriate

Centers for Research and Education in Science and Technology

Historically Black Colleges and Universities Undergraduate Program

Louis Stokes Alliances for Minority Participation

Directory of Science and Engineering Faculty Participants in NSF-Sponsored Ethnic Diversity Continuum Programs

A Collaborative Effort of the Ethnic Continuum Diversity
Programs Project Directors

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Table of Contents

Directory of Science and Engineering Faculty Participants in NSF-Sponsored Ethnic Diversity Continuum Programs

| | |
|--|------------|
| Introduction | 1 |
| The National Science Foundation | 2 |
| The Directorate for Education and Human Resources | 2 |
| The Division of Human Resource Development..... | 3 |
| The AGEP Program | 4 |
| <i>Institutions and Science and Engineering Faculty Participants:</i> | |
| Alabama – 4; Arizona State University – 8; Florida – 9; Georgia – 10; Howard University – 11 Michigan – 12; Mississippi – 13; Missouri – 14; UNC Chapel Hill – 17; City University of New York – 17; NC State University – 19; Rice University – 20; State University of New York – 21 | |
| The CREST Program..... | 22 |
| <i>Institutions and Science and Engineering Faculty Participants:</i> | |
| Alabama A&M University – 22; California State – 23; Hampton University – 24; Tennessee State University – 24 | |
| The HBCU-UP Program | 25 |
| <i>Institutions and Science and Engineering Faculty Participants:</i> | |
| Albany State University – 25; Alcorn State University – 26; Bennett College – 26; Clark Atlanta University – 24; Florida A&M University – 27; Hampton University – 28; Howard University – 29; Jackson State University – 29; Louisiana – 30; Miles College – 30; Morgan State University – 31; NC A&T University – 31; Oakwood College – 32; The University of the Virgin Islands – 32 | |
| The LSAMP Program | 34 |
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| Alabama – 34; California – 38; California State – 39; Chicago State – 40; Colorado – 41; Florida/Georgia – 40; Houston – 54; Louisiana – 55; University System of Maryland – 61; Missouri – 64; New Mexico – 67; New York City – 70; North Carolina – 72; Oklahoma – 75; Puerto Rico – 77; Greater Philadelphia – 81; State University of New York – 82; Texas – 84 Texas System – 86; Waeso – 89; Xavier – 91 | |
| Alphabetical Listing of Minority Science and Engineering Faculty | 92 |
| Biological Sciences | 92 |
| Computer and Information Sciences..... | 98 |
| Engineering | 100 |
| Mathematics | 106 |
| Physical Sciences | 110 |

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Introduction

This directory represents the first collaborative effort of the project directors of the NSF- Sponsored Diversity Continuum Programs. These programs include the Alliances for Graduate Education and the Professoriate (AGEP), Centers for Research Excellence in Science and Technology (CREST), Historically Black Colleges and Universities Undergraduate Program (HBCU-UP), and Louis Stokes Alliances for Minority Participation (LSAMP). Albany State University and the University of Alabama at Birmingham led the effort to publish the directory and place an electronic version on the Internet. The Principal Investigators of the LSAMP, AGEP, HBCU-UP, and CREST programs collected information from science and engineering faculty who provide direct research, academic, or other support to minority students at each partner institution and forwarded it to Albany State University and the University of Alabama at Birmingham for organization, editorial review, and publication.

The purpose of the directory is to identify faculty who make sincere and legitimate contributions to the enhancement of the education of minority students. The directory includes faculty information by continuum program and an alphabetical listing and should be a valuable asset for students, Principal Investigators of Human Resource Development (HRD) programs, the national science and engineering communities, National Science Foundation (NSF) Directorates, and Program Officers. The directory is available in both printed and electronic forms and may be used for a number of purposes including the identification of panel and mail reviewers for NSF proposals across directorates, a network resource for science and engineering faculty and researchers, and a resource for students planning to attend graduate school. A unique feature of the directory is its accessibility through the Internet and its ability to be updated by HRD Principal Investigators and faculty periodically by means of Personal Identification Numbers (PIN). Students may seek and contact faculty through the Internet to receive answers to questions regarding academic programs at HRD Program Institutions. Faculty participation in this project was strictly voluntary.

The directory information for faculty includes name, degree, title, research/teaching area, address, telephone number, e-mail address, race \ ethnicity, and program responsibility. Race \ ethnicity is coded as follows:

RE-1 = American Indian or Alaskan Native; RE-2 = Asian or Pacific Islander; RE-3 = Black, not of Hispanic Origin; RE-4 = Hispanic; RE-5 = White, not of Hispanic Origin, RE-6 = Not Reported.

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The Office of the Director houses the Foundation's top leadership, and oversees all Foundation activities from the development of policy priorities to the establishment of administrative and management guidelines, including long-range planning.

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1. Division of Undergraduate Education (DUE)
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4. Division of Educational Systemic Reform (ESR)
5. Division of Human Resource Development (HRD)
6. Division of Research, Evaluation, and Communication (REC)
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The Division of Human Resource Development (HRD)



The Division of Human Resource Development (HRD) within the Directorate for Education and Human Resources, serves as a focal point for NSF's agency-wide commitment to enhancing the quality and excellence of science, mathematics, engineering, and technology (SMET) education and research through broadening participation by underrepresented groups and institutions. The Division's programs aim to increase the participation and advancement of underrepresented minorities and minority serving institutions, women and girls, and persons with disabilities at every level of the science and engineering enterprise. In so doing, these programs contribute to attainment of the PEOPLE outcome goal of the NSF Strategic Plan FY 2000-2005: A diverse, internationally competitive, and globally-engaged workforce of scientists, engineers and well-prepared citizens. Programs within HRD have a strong focus on partnerships and collaborations in order to maximize the preparation of a well-trained scientific and instructional workforce for the new millennium.

The programs of the HRD Division are organized to align with our target populations:

Minorities and Minority Serving Institutions:

- Historically Black Colleges and Universities Undergraduate Program (HBCU-UP)
- The Louis Stokes Alliances for Minority Participation Program (LSAMP)
- Alliances for Graduate Education and the Professoriate Program (AGEP)
- Centers of Research Excellence in Science and Technology (CREST)

Women and Girls:

- Program for Gender Equity in Science, Mathematics, Engineering, and Technology (PGE)

Persons with Disabilities:

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Crosscutting:

Presidential Awards for Excellence in Science

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Alliances for Graduate Education and the Professoriate (AGEP)



The Alliances for Graduate Education and the Professoriate (AGEP) Program seeks to increase significantly the number of Black (African-American), Hispanic and American Indian/Alaskan Native (Native American) students receiving doctoral degrees in the sciences (physical and life science disciplines), mathematics, and engineering (SME). The lack of the role models and mentors in the professoriate constitutes a significant barrier to producing minority SME graduates, and NSF is particularly interested in increasing the number of minorities who will enter the professoriate in these disciplines.

Specific objectives of the AGEP Program are (1) to develop and implement innovative models for recruiting, mentoring, and retaining minority students in SME doctoral programs and (2) to develop effective strategies for identifying and supporting underrepresented minorities who want to pursue academic careers.

The AGEP Program also supports a research effort to identify major factors that promote successful transition of minority students from (1) undergraduate through graduate study (2) course-taking in the early years of the graduate experience to independent research required for completion of a dissertation, and (3) the academic environment to the SME workplace. To accomplish this objective, the research component will be informed by a portfolio of Federal and private efforts in this arena in order to identify factors underlying exemplary as well as unsuccessful efforts.

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The Louis Stokes Alliances for Minority Participation (LSAMP) Program is designed to develop the comprehensive strategies necessary to strengthen the preparation and increase the number of minority students who successfully complete baccalaureates in SMET fields. This objective facilitates the long-term goal increasing the production of Ph.D.'s in SMET fields, with an emphasis on entry into faculty positions.

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A

Acevedo, Ana, Ph.D., Biology, Puerto Rico LSAMP
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Aileru, Azeez, Ph.D., Physiology, North Carolina LSAMP
Akporiaye, Emmanuel T., Ph.D., Microbiology, WAESO AGEP
Allen, John, Ph.D., Microbiology, North Carolina LSAMP
Allworth, Ann, Ph.D., Anatomy, Howard University AGEP
Anderson, Yolanda B., Ph.D., Environmental Science, North Carolina LSAMP
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Apanius, Victor, Ph.D. Biology, Florida/Georgia LSAMP
Appleyard, Caroline, Ph.D., Physiology, Puerto Rico LSAMP
Arbelo, Jose, M.S., Microbiology, Puerto Rico LSAMP
Asencio, Carmen, M.S., Biology, Puerto Rico LSAMP

B

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Bartel, Bonnie, Ph.D., Biochemistry, Rice University AGEP
Basavaraju, Sekhara, Ph.D., Biology, Bennett College HBCU-UP
Bass, Harry, Ph.D., Biology, Xavier University LSAMP
Battey, James, Ph.D., Biology, University of the Virgin Islands HBCU-UP
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Botsford, James L., Ph.D., Biology, New Mexico LSAMP
Bourne, Godfrey, Ph.D., Biology, University of Missouri AGEP
Boyd, Lynn, Ph.D., Biology, Alabama AGEP
Bradley, Brian P., Ph.D., Biology, University System of Maryland LSAMP
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Brunton, Laurence L., Ph.D., Pharmacology, California LSAMP
Burbank, George, Ph.D., Marine Science, Hampton University HBCU-UP
Burchard, Robert P., Ph.D., Biology, University System of Maryland LSAMP
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Byrd, John, Ph.D., Biology, Colorado LSAMP
Byrd, Sherell Kuss, Ph.D., Biology, Colorado LSAMP

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Ricart, Carlos, Ph.D., Biology, Puerto Rico LSAMP
Riddle, Donald, Ph.D., Molecular Biology, Missouri LSAMP
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Roberts, Jerome, Ph.D., Biotechnology, Alabama AGEP
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Rodríguez-Durán, Armando, Ph.D., Biology, Puerto Rico LSAMP
Rogers, Bryan, Ph.D., Biology, Louisiana LSAMP
Ruiz-Torres, José A., Ph.D., Biology, Puerto Rico LSAMP

S

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Safford, Susan E., Ph.D., Biology, Philadelphia LSAMP
Santiago, Carlos, Ph.D., Molecular Biology, Puerto Rico LSAMP
Schallert, Timothy J., Ph.D., Psychology, University of Texas System LSAMP
Schulz, Horst, Ph.D., Biochemistry, CUNY AGEP
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Sherrod, L. Lynn, Ph.D., Biology, University of Texas System LSAMP
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Tizabi, Yousef, Ph.D., Pharmacology, Howard University AGEP
Tollefsbol, Trygve, Ph.D., Biology, Alabama AGEP
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Watson, Douglas, Ph.D., Biology, Alabama AGEP

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Z

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